





#### FLOODPLAIN INFORMATION- PRELIMINARY

100 YEAR FLOODPLAIN ELEVATION FOR THE SITE IS 44- FEET BASED UPON INTERPOLATION OF FEMA FLOOD INSURANCE RATE MAP PANELS 530201-0001-B AND H&I-08.

ALL BUILDINGS AND EQUIPMENT WILL BE MOUNTED ON PADS WITH FINISH ELEVATIONS OF 45- FEET OR HIGHER (1- FOOT ABOVE THE 100 YEAR FLOODPLAIN ELEVATION).

#### STREAMBANK EROSION CONTROL (DETENTION)

THE 2-YEAR AND 10-YEAR EVENTS WILL BE DETAINED AND RELEASED AT PREDEVELOPED RUNOFF RATES PER THE DEPARTMENT OF ECOLOGY STORMWATER MANAGEMENT MANUAL FOR THE PUGET SOUND BASIN (DOE SWMM).

THE 100-YEAR EVENT WILL NOT BE DETAINED SINCE THE ENTIRE SITE WILL BE SURROUNDED BY WATER AND IS IN THE 100-YEAR FLOODPLAIN.

#### RUNOFF TREATMENT

6-MONTH DEVELOPED RUNOFF TREATMENT WILL BE PROVIDED BY A WET POND PER THE DOE SWMM. THE WET POND WILL BE COMBINED WITH THE DETENTION POND SO THAT THE ACTIVE DETENTION VOLUME IS ON TOP OF A PERMANENT DEAD STORAGE VOLUME.

#### LEGEND

- Existing Contour --- 40 ---
- Proposed Contour — 40 —
- 1 Drainage Channel
- 2 42" CMP Culvert
- 3 Type 1 Catch Basin
- 4 54" Dia. Manhole Structure
- 43.0 Spot Elevation

**Figure 3.2-7**  
**Topography and Proposed Fill and Grade Plan**

Source: Wilson Engineering;  
provided by Dames & Moore